

ATTACHMENT 5
EXAMPLE OF PROGRESS REPORT
REQUIRED BY AGREED ORDER



9439736

July 14, 2003

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Water Quality Management
Region 12 Houston
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Regarding your letter of September 13, 2002 requesting quarterly updates for I&I for TNRCC Permit No. 10053-005, EPA ID No. TX0063410. This addresses violation No. 2 from the September 5, 2001 investigation of the Vince Bayou WWTP. This is the fourth quarterly letter in response to that violation

The quarterly update is attached.

Sincerely,

Robin Green, Jr.
Director of Public Works

Compliance Plan for Infiltration/Inflow (I/I), Compliance with Flow Limits, & Unauthorized Discharges:

Vince Bayou Waste Water Treatment Plant Replacement

The Vince Bayou Wastewater Treatment Plant (WWTP) and the Deepwater WWTP are being replaced by the new Vince Bayou Wastewater Treatment Plant. The new plant has increased capacity (14 MGD) and flow limits. Construction of the new plant is nearing the final phases with expected completion in late August 2003. The overflow conditions at the current Vince Bayou WWTP are expected to be eliminated when the new plant comes on line.

In addition, the plan calls for any overflow to be detained for processing by Gulf Coast Waste Disposal Authority or the New Vince Bayou Treatment Plant by regulating flow through a retention pond specifically designed for that purpose. Currently we are sending approximately one MGD each day to Gulf Coast Waste Disposal for processing.

The force mains to provide service to the new plant are complete. The City forces are completing the connection with those lines.

Construction has begun on the two new lift stations, West Pitts and North Main. Construction is about 40% complete.

The Strawberry Trunk line (Phase 1a and 1b) is being replaced. Phase 1a is about 55% complete. Phase 1b has been awarded and pre-construction is pending.

Line Inspection

TV inspection of the sanitary sewer lines has continued with 34,169 linear feet of mainline and 2,745 linear feet of service line inspected from April 1 through June 30, 2003. The lines must be cleaned prior to TV inspection. Approximately 127,372 linear feet of main and service lines were cleaned. In addition 58 manholes were cleaned and vacuumed.

Pipe Bursting Line Replacement

From April 1 to June 30, 2003, the following rehabilitation efforts were completed:

Replace main and service lines using pipe bursting: 5,015 linear feet
Install service line taps: 64 were completed
Replaced manholes: 11

Waste Water Collection Repair and Maintenance

The waste water collection answers customer service calls. Answering the service call requires a variety of remedies. From April 1 through June 30, 2003, the following services were performed:

Clear Mainline obstructions: 302
Clear service line obstructions: 831
Replace pipe: 5,141 linear feet
Repair or replace risers: 49
Point repairs: 44

Lift Station Operations

The waste water lift stations (58 total) are also maintained, repaired, constructed and serviced to keep them in good working order. From the period of April 1 through June 30, 2003, the following maintenance actions were performed:

Pumps pulled and unclogged: 19
Pumps backflushed: 20
Pumps sent out for repair: 4
New pumps installed: 4
Other major maintenance actions: 40

West Pitts lift station and North Main lift stations are being replaced. Construction is approximately 40% complete on these new lift stations.

Street and Infrastructure Replacement

The city is replacing older streets in priority order. When these streets are replaced, the entire infrastructure is replaced. This includes sanitary sewer, water, and drainage. As of June 30, 2003 the status is as follows:

Jackson St is 53% complete.
Crenshaw from Preston to Belt 8 construction is 97% complete.
Mobile Street construction is 100% complete.
Witter Street construction is 98% complete.
Alastair Street construction is 70% complete.
Jana Lane from Spencer to Fairmont construction is 30% complete.
Pasadena Blvd design is 90% complete.
Allendale: notice to proceed with construction will be in July 2003.
Deepwater is 100% complete.
Coleman St construction is 8% complete.

Software/Database Tools

The "Call Center" is operating and using City Works to log and distribute service requests.

In addition, we are expanding our SCADA system, which will show the rain totals in the WWTP watershed. Several of our lift stations have been, or are being, implemented with a SCADA system to measure the amount of rainfall at various locations in the city. This will enable us to compare the rainfall amount in the WWTP watershed with flow in individual lift stations and

from the plant. As this data is available, we will report results so the effectiveness of our programs in controlling infiltration can be quantified.

CMOM

The City has two proposals to evaluate for a CMOM plan.

It should be clear that the city is committed to provide the best service possible to the citizens and as time and money permits, the city is aggressively pursuing the I/I problem, flow limit problem and unauthorized discharge problem.